Product datasheet





Miniature circuit breaker (MCB), Acti9 C120H, 3P, 100A, D curve, 15000A (IEC/EN 60898-1), 15kA (IEC/EN 60947-2)

A9N18513

Main

Range of product	C120
Range	Acti9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120H
Device application	Distribution
poles description	3P
Number of protected poles	3
[In] rated current	100 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	15000 A Icn at 230400 V AC 50/60 Hz conforming to EN/IEC 60898-1 10 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at <= 375 V DC conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	<= 375 V DC
	380415 V AC 50/60 Hz
	220240 V AC 50/60 Hz
	440 V AC 50/60 Hz
	230400 V AC 50/60 Hz
Magnetic tripping limit	1014 x ln
[Ics] rated service breaking	7500 A 50 % conforming to EN/IEC 60898-1 - 230400 V AC 50/60 Hz
capacity	5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz
	15 kA 50 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz
	7.5 kA 50 % conforming to EN/IEC 60947-2 - 380415 V AC 50/60 Hz
	15 kA 100 % conforming to EN/IEC 60947-2 - <= 375 V DC
Limitation class	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle

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Local signalling	ON/OFF indication
mounting mode	Clip-on
mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	9
Height	81 mm
Depth	73 mm
Width	81 mm
Net weight	0.615 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Locking options description	Handle sealable with cable diameter 0.7mm in OFF or ON position
Connections - terminals	Tunnel type terminals150 mm² rigid Tunnel type terminals1.535 mm² flexible
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
product certifications	EAC
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-3060 °C
Ambient air temperature for storage	-4070 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.8 cm
Package 1 Width	8.1 cm
Package 1 Length	8.6 cm
Package 1 Weight	578 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.6 cm

Package 2 Width	9.6 cm
Package 2 Length	33.1 cm
Package 2 Weight	2.384 kg
Unit Type of Package 3	S03
Number of Units in Package 3	24
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	14.75 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

✓ Toxic Heavy Metal Free
 ✓ Mercury Free
 ✓ Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
	Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations